

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	241	((Reiner near1 Eschbach) (Gaurav near1 Sharma) (Shen\$1ge near1 Wang)).in.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L2	25843	(xerox).as.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L3	565	(358/3.06).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L4	2	((spatial near1 (variation variant)) and (dispers\$3 and cluster\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L5	17	((("5978107") or ("6035065") or ("5852823") or ("5668890") or ("6185335") or ("5806081") or ("5760913") or ("6141120") or ("5416613") or ("6353675") or ("6525845") or ("6031618") or ("6088095") or ("6285462") or ("5974279") or ("6069973") or ("6008812") or ("6525845"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L6	9	((("20040264771") or ("5481380") or ("5642197") or ("5710872") or ("5753906") or ("6031618") or ("6337923") or ("20030184772") or ("6633408"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L7	4	((("6525845") or ("5884296") or ("4194221") or ("5892592"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L8	2	((photographic adj2 marking) and (inkjet adj2 marking) and (cluster\$3 and dispers\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L9	18	("4196451"   "5023919"   "5073953"   "5119132"   "5166809"   "5185673"   "5287419"   "5357581"   "5485284"   "5642197"   "5726772"   "5803579"   "5809213"   "5946411"   "6008907"   "6031618"   "6069982"   "6088095").PN. OR ("6525845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L10	17	((("5978107") or ("6035065") or ("5852823") or ("5668890") or ("6185335") or ("5806081") or ("5760913") or ("6141120") or ("5416613") or ("6353675") or ("6525845") or ("6031618") or ("6088095") or ("6285462") or ("5974279") or ("6069973") or ("6008812") or ("6525845"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L11	4	((("6525845") or ("5884296") or ("4194221") or ("5892592"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L12	9	((("20040264771") or ("5481380") or ("5642197") or ("5710872") or ("5753906") or ("6031618") or ("6337923") or ("20030184772") or ("6633408"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L13	28	L10 L11 L12	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27

## EAST Search History

L14	2	L13 and (dispers\$3 and cluster\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L15	4	L13 and (spatial near1 (characteristic variant variance))	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L16	6	("4196451"   "5119132"   "5166809"   "5357581"   "5803579").PN. OR ("6353675").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L17	15	("4958217"   "5020004"   "5481741"   "5644740"   "5704021"   "5784059").PN. OR ("6008812").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L18	18	("4196451"   "5023919"   "5073953"   "5119132"   "5166809"   "5185673"   "5287419"   "5357581"   "5485284"   "5642197"   "5726772"   "5803579"   "5809213"   "5946411"   "6008907"   "6031618"   "6069982"   "6088095").PN. OR ("6525845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L19	6	("4196451"   "5119132"   "5166809"   "5357581"   "5803579").PN. OR ("6353675").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L20	133171	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) with ((form\$3 mark\$4 process\$3 mak\$3 print\$3 reproduc\$5) near2 (process method technique))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L21	227	photo\$1graph\$3 and (litho\$1graph\$3 (offset adj1 print\$3)) and (ink\$1jet) and (xero\$1graph\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L22	1469791	(dispers\$3 aperiodic\$4 irregular\$5 random\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L23	3821806	(cluster\$3 periodic\$5 order\$3 regular\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L24	1205061	L22 and L23	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L25	71	L20 and L21	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L26	51	L25 and L24	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L27	146442	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) near2 (media medium original document paper sheet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L28	111	L27 and L21	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L29	91	L28 and L22	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L30	86	L29 and L23	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L31	4309763	@ad<"20030630"	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27

## EAST Search History

L32	54	L30 and L31	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L33	1343	(detect\$4 determin\$6) adj2 ((mark\$3 reproduc\$3 produc\$3 print\$3 mak\$3) adj1 (process method))	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L34	26	L33 and (dispers\$3 and cluster\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L35	194397	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) near3 (media medium original document paper sheet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L36	306395	L22 same L23	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L37	41	L36 and L25	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L38	19	("5137364"   "5272518"   "5450165"   "5481380"   "5668596"   "5671059"   "5739927"   "5748221"   "5754682"   "5793884"   "5838451"   "5844680"   "5963333"   "6020583"   "6047143"   "6147761"   "6157454"   "6249346").PN. OR ("6750442").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L39	36	L31 and L25	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L40	1	("6031618").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L41	1	("20040264781").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L42	1	("5481380").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L43	2	(US-6031618-\$ or US-6353675-\$).did.	USPAT	OR	ON	2007/10/30 12:27
L44	11	((("20040264768") or ("20040264769") or ("20040264770") or ("20040264771") or ("6525845") or ("6088095") or ("20030168582") or ("6008812") or ("5481380") or ("6069982") or ("6008812") or ("6791711"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L45	1343	(detect\$4 determin\$6) adj2 ((mark\$3 reproduc\$3 produc\$3 print\$3 mak\$3) adj1 (process method))	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L46	1158	(358/448).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L47	605	(358/401).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L48	1	L46 and L45	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L49	4	L47 and L45	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27

## EAST Search History

L50	241	((Reiner near1 Eschbach) (Gaurav near1 Sharma) (Shen\$1ge near1 Wang)).in.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L51	25843	(xerox).as.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L52	2	((spatial near1 (variation variant)) and (dispers\$3 and cluster\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L53	2	((spatial near1 (variation variant)) and (dispers\$3 and cluster\$3)).clm. and (L50 or L51)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L54	241	((Reiner near1 Eschbach) (Gaurav near1 Sharma) (Shen\$1ge near1 Wang)).in.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L55	133171	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) with ((form\$3 mark\$4 process\$3 mak\$3 print\$3 reproduc\$5) near2 (process method technique))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L56	25843	(xerox).as.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L57	565	(358/3.06).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L58	9	((("20040264771") or ("5481380") or ("5642197") or ("5710872") or ("5753906") or ("6031618") or ("6337923") or ("20030184772") or ("6633408"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L59	4	((("6525845") or ("5884296") or ("4194221") or ("5892592"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L60	17	((("5978107") or ("6035065") or ("5852823") or ("5668890") or ("6185335") or ("5806081") or ("5760913") or ("6141120") or ("5416613") or ("6353675") or ("6525845") or ("6031618") or ("6088095") or ("6285462") or ("5974279") or ("6069973") or ("6008812") or ("6525845"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L61	28	L60 L59 L58	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L62	227	photo\$1graph\$3 and (litho\$1graph\$3 (offset adj1 print\$3)) and (ink\$1jet) and (xero\$1graph\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L63	3821806	(cluster\$3 periodic\$5 order\$3 regular\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L64	1469791	(dispers\$3 aperiodic\$4 irregular\$5 random\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L65	1205061	L64 and L63	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L66	4309763	@ad<"20030630"	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L67	306395	L64 same L63	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27

## EAST Search History

L68	194397	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) near3 (media medium original document paper sheet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L69	1343	(detect\$4 determin\$6) adj2 ((mark\$3 reproduc\$3 produc\$3 print\$3 mak\$3) adj1 (process method))	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L70	71	L55 and L62	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L71	41	L67 and L70	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L72	1343	(detect\$4 determin\$6) adj2 ((mark\$3 reproduc\$3 produc\$3 print\$3 mak\$3) adj1 (process method))	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L73	1	("6031618").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L74	605	(358/401).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L75	1158	(358/448).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L76	1	L75 and L72	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L77	1	("20040264781").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L78	1	("5481380").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L79	2	((spatial near1 (variation variant)) and (dispers\$3 and cluster\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L80	17	((("5978107") or ("6035065") or ("5852823") or ("5668890") or ("6185335") or ("5806081") or ("5760913") or ("6141120") or ("5416613") or ("6353675") or ("6525845") or ("6031618") or ("6088095") or ("6285462") or ("5974279") or ("6069973") or ("6008812") or ("6525845"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L81	9	((("20040264771") or ("5481380") or ("5642197") or ("5710872") or ("5753906") or ("6031618") or ("6337923") or ("20030184772") or ("6633408"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L82	4	((("6525845") or ("5884296") or ("4194221") or ("5892592"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L83	2	((photographic adj2 marking) and (inkjet adj2 marking) and (cluster\$3 and dispers\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27

## EAST Search History

L84	18	("4196451"   "5023919"   "5073953"   "5119132"   "5166809"   "5185673"   "5287419"   "5357581"   "5485284"   "5642197"   "5726772"   "5803579"   "5809213"   "5946411"   "6008907"   "6031618"   "6069982"   "6088095").PN. OR ("6525845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L85	2	L61 and (dispers\$3 and cluster\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L86	4	L61 and (spatial near1 (characteristic variant variance))	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L87	26	L69 and (dispers\$3 and cluster\$3)	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L88	6	("4196451"   "5119132"   "5166809"   "5357581"   "5803579").PN. OR ("6353675").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L89	15	("4958217"   "5020004"   "5481741"   "5644740"   "5704021"   "5784059").PN. OR ("6008812").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L90	18	("4196451"   "5023919"   "5073953"   "5119132"   "5166809"   "5185673"   "5287419"   "5357581"   "5485284"   "5642197"   "5726772"   "5803579"   "5809213"   "5946411"   "6008907"   "6031618"   "6069982"   "6088095").PN. OR ("6525845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L91	6	("4196451"   "5119132"   "5166809"   "5357581"   "5803579").PN. OR ("6353675").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L92	146442	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) near2 (media medium original document paper sheet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L93	111	L92 and L62	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L94	91	L93 and L64	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L95	86	L94 and L63	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L96	54	L95 and L66	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L97	19	("5137364"   "5272518"   "5450165"   "5481380"   "5668596"   "5671059"   "5739927"   "5748221"   "5754682"   "5793884"   "5838451"   "5844680"   "5963333"   "6020583"   "6047143"   "6147761"   "6157454"   "6249346").PN. OR ("6750442").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L98	36	L66 and L70	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27

## EAST Search History

L99	2	(US-6031618-\$ or US-6353675-\$).did.	USPAT	OR	ON	2007/10/30 12:27
L100	93	(358/3.09).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L101	0	L70 and L100	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L102	465	(358/534).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L103	0	L70 and L100	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L104	92	(358/3.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L105	0	L70 and L104	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L106	11	((("20040264768") or ("20040264769") or ("20040264770") or ("20040264771") or ("6525845") or ("6088095") or ("20030168582") or ("6008812") or ("5481380") or ("6069982") or ("6008812") or ("6791711"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:27
L107	4	L74 and L72	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L108	0	L70 and L102	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L109	51	L70 and L65	US-PGPUB; USPAT	OR	ON	2007/10/30 12:27
L110	14	L55 and L100	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L111	47	L55 and L102	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L112	6	L55 and L104	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:27
L113	1	(US-20040264781-\$).did.	US-PGPUB	OR	ON	2007/10/30 12:57
L114	1	L113 and (direct\$3)	US-PGPUB	OR	ON	2007/10/30 12:57
S1	216	((Reiner near1 Eschbach) (Gaurav near1 Sharma) (Shen\$1ge near1 Wang)).in.	US-PGPUB; USPAT	OR	ON	2007/03/15 20:23
S2	24319	(xerox).as.	US-PGPUB; USPAT	OR	ON	2007/03/15 20:24
S3	487	(358/3.06).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/17 17:51

## EAST Search History

S4	2	((spatial near1 (variation variant)) and (dispers\$3 and cluster\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/03/16 16:20
S5	17	((("5978107") or ("6035065") or ("5852823") or ("5668890") or ("6185335") or ("5806081") or ("5760913") or ("6141120") or ("5416613") or ("6353675") or ("6525845") or ("6031618") or ("6088095") or ("6285462") or ("5974279") or ("6069973") or ("6008812") or ("6525845"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 20:36
S6	9	((("20040264771") or ("5481380") or ("5642197") or ("5710872") or ("5753906") or ("6031618") or ("6337923") or ("20030184772") or ("6633408"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 20:36
S7	4	((("6525845") or ("5884296") or ("4194221") or ("5892592"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/15 20:36
S8	2	((photographic adj2 marking) and (inkjet adj2 marking) and (cluster\$3 and dispers\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/03/16 16:21
S9	18	("4196451"   "5023919"   "5073953"   "5119132"   "5166809"   "5185673"   "5287419"   "5357581"   "5485284"   "5642197"   "5726772"   "5803579"   "5809213"   "5946411"   "6008907"   "6031618"   "6069982"   "6088095").PN. OR ("6525845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 18:46
S10	17	((("5978107") or ("6035065") or ("5852823") or ("5668890") or ("6185335") or ("5806081") or ("5760913") or ("6141120") or ("5416613") or ("6353675") or ("6525845") or ("6031618") or ("6088095") or ("6285462") or ("5974279") or ("6069973") or ("6008812") or ("6525845"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/16 18:47
S11	4	((("6525845") or ("5884296") or ("4194221") or ("5892592"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/16 18:47
S12	9	((("20040264771") or ("5481380") or ("5642197") or ("5710872") or ("5753906") or ("6031618") or ("6337923") or ("20030184772") or ("6633408"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/16 18:47
S13	28	S10 S11 S12	US-PGPUB; USPAT	OR	ON	2007/03/16 18:47
S14	2	S13 and (dispers\$3 and cluster\$3)	US-PGPUB; USPAT	OR	ON	2007/03/16 18:54
S15	4	S13 and (spatial near1 (characteristic variant variance))	US-PGPUB; USPAT	OR	ON	2007/03/16 18:54



## EAST Search History

S16	18	("4196451"   "5023919"   "5073953"   "5119132"   "5166809"   "5185673"   "5287419"   "5357581"   "5485284"   "5642197"   "5726772"   "5803579"   "5809213"   "5946411"   "6008907"   "6031618"   "6069982"   "6088095").PN. OR ("6525845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 18:57
S17	5	("4196451"   "5119132"   "5166809"   "5357581"   "5803579").PN. OR ("6353675").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 19:45
S18	13	("4958217"   "5020004"   "5481741"   "5644740"   "5704021"   "5784059").PN. OR ("6008812").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 20:42
S19	5	("4196451"   "5119132"   "5166809"   "5357581"   "5803579").PN. OR ("6353675").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 20:57
S20	121159	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) with ((form\$3 mark\$4 process\$3 mak\$3 print\$3 reproduc\$5) near2 (process method technique))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 21:30
S21	208	photo\$1graph\$3 and (litho\$1graph\$3 (offset adj1 print\$3)) and (ink\$1jet) and (xero\$1graph\$3)	US-PGPUB; USPAT	OR	ON	2007/03/16 21:31
S22	65	S20 and S21	US-PGPUB; USPAT	OR	ON	2007/03/16 21:05
S23	1371571	(dispers\$3 aperiodic\$4 irregular\$5 random\$3)	US-PGPUB; USPAT	OR	ON	2007/03/16 21:06
S24	3597107	(cluster\$3 periodic\$5 order\$3 regular\$3)	US-PGPUB; USPAT	OR	ON	2007/03/16 21:07
S25	1119741	S23 and S24	US-PGPUB; USPAT	OR	ON	2007/03/16 21:08
S26	48	S22 and S25	US-PGPUB; USPAT	OR	ON	2007/03/16 21:08
S27	285494	S23 same S24	US-PGPUB; USPAT	OR	ON	2007/03/16 21:08
S28	38	S27 and S22	US-PGPUB; USPAT	OR	ON	2007/03/16 21:08
S29	4281931	@ad<"20030630"	US-PGPUB; USPAT	OR	ON	2007/03/16 21:09
S30	35	S29 and S22	US-PGPUB; USPAT	OR	ON	2007/03/16 21:30
S31	19	("5137364"   "5272518"   "5450165"   "5481380"   "5668596"   "5671059"   "5739927"   "5748221"   "5754682"   "5793884"   "5838451"   "5844680"   "5963333"   "6020583"   "6047143"   "6147761"   "6157454"   "6249346").PN. OR ("6750442").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 21:27

## EAST Search History

S32	178986	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) near3 (media medium original document paper sheet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 21:31
S33	134770	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) near2 (media medium original document paper sheet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/16 21:31
S34	96	S33 and S21	US-PGPUB; USPAT	OR	ON	2007/03/16 21:31
S35	81	S34 and S23	US-PGPUB; USPAT	OR	ON	2007/03/16 21:31
S36	78	S35 and S24	US-PGPUB; USPAT	OR	ON	2007/03/16 21:31
S37	50	S36 and S29	US-PGPUB; USPAT	OR	ON	2007/03/16 21:36
S38	1230	(detect\$4 determin\$6) adj2 ((mark\$3 reproduc\$3 produc\$3 print\$3 mak\$3) adj1 (process method))	US-PGPUB; USPAT	OR	ON	2007/03/16 21:38
S39	23	S38 and (dispers\$3 and cluster\$3)	US-PGPUB; USPAT	OR	ON	2007/03/16 21:38
S40	1	("6031618").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/17 14:18
S41	1	("20040264781").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/17 15:52
S42	1	("5481380").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/17 17:16
S43	2	(US-6031618-\$ or US-6353675-\$).did.	USPAT	OR	ON	2007/03/17 17:44
S44	11	((("20040264768") or ("20040264769") or ("20040264770") or ("20040264771") or ("6525845") or ("6088095") or ("20030168582") or ("6008812") or ("5481380") or ("6069982") or ("6008812") or ("6791711")).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/17 17:45
S45	1065	(358/448).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/17 17:51
S46	583	(358/401).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/17 17:51
S47	1230	(detect\$4 determin\$6) adj2 ((mark\$3 reproduc\$3 produc\$3 print\$3 mak\$3) adj1 (process method))	US-PGPUB; USPAT	OR	ON	2007/03/17 17:52
S48	1	S45 and S47	US-PGPUB; USPAT	OR	ON	2007/03/17 17:52
S49	4	S46 and S47	US-PGPUB; USPAT	OR	ON	2007/03/17 17:52
S50	232	((Reiner near1 Eschbach) (Gaurav near1 Sharma) (Shen\$1ge near1 Wang)).in.	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S51	25206	(xerox).as.	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43

## EAST Search History

S52	2	((spatial near1 (variation variant)) and (dispers\$3 and cluster\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S53	2	((spatial near1 (variation variant)) and (dispers\$3 and cluster\$3)).clm. and (S50 or S51)	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S54	232	((Reiner near1 Eschbach) (Gaurav near1 Sharma) (Shen\$1ge near1 Wang)).in.	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S55	25206	(xerox).as.	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S56	522	(358/3.06).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S57	2	((spatial near1 (variation variant)) and (dispers\$3 and cluster\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S58	17	((("5978107") or ("6035065") or ("5852823") or ("5668890") or ("6185335") or ("5806081") or ("5760913") or ("6141120") or ("5416613") or ("6353675") or ("6525845") or ("6031618") or ("6088095") or ("6285462") or ("5974279") or ("6069973") or ("6008812") or ("6525845"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S59	9	((("20040264771") or ("5481380") or ("5642197") or ("5710872") or ("5753906") or ("6031618") or ("6337923") or ("20030184772") or ("6633408"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S60	4	((("6525845") or ("5884296") or ("4194221") or ("5892592"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S61	2	((photographic adj2 marking) and (inkjet adj2 marking) and (cluster\$3 and dispers\$3)).clm.	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S62	18	("4196451"   "5023919"   "5073953"   "5119132"   "5166809"   "5185673"   "5287419"   "5357581"   "5485284"   "5642197"   "5726772"   "5803579"   "5809213"   "5946411"   "6008907"   "6031618"   "6069982"   "6088095").PN. OR ("6525845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:43
S63	17	((("5978107") or ("6035065") or ("5852823") or ("5668890") or ("6185335") or ("5806081") or ("5760913") or ("6141120") or ("5416613") or ("6353675") or ("6525845") or ("6031618") or ("6088095") or ("6285462") or ("5974279") or ("6069973") or ("6008812") or ("6525845"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S64	4	((("6525845") or ("5884296") or ("4194221") or ("5892592"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43

## EAST Search History

S65	9	("20040264771") or ("5481380") or ("5642197") or ("5710872") or ("5753906") or ("6031618") or ("6337923") or ("20030184772") or ("6633408").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S66	28	S63 S64 S65	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S67	2	S66 and (dispers\$3 and cluster\$3)	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S68	4	S66 and (spatial near1 (characteristic variant variance))	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S69	5	("4196451"   "5119132"   "5166809"   "5357581"   "5803579").PN. OR ("6353675").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:43
S70	15	("4958217"   "5020004"   "5481741"   "5644740"   "5704021"   "5784059").PN. OR ("6008812").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:43
S71	18	("4196451"   "5023919"   "5073953"   "5119132"   "5166809"   "5185673"   "5287419"   "5357581"   "5485284"   "5642197"   "5726772"   "5803579"   "5809213"   "5946411"   "6008907"   "6031618"   "6069982"   "6088095").PN. OR ("6525845").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:43
S72	5	("4196451"   "5119132"   "5166809"   "5357581"   "5803579").PN. OR ("6353675").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:43
S73	127487	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) with ((form\$3 mark\$4 process\$3 mak\$3 print\$3 reproduc\$5) near2 (process method technique))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:56
S74	218	photo\$1graph\$3 and (litho\$1graph\$3 (offset adj1 print\$3)) and (ink\$1jet) and (xero\$1graph\$3)	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S75	1423498	(dispers\$3 aperiodic\$4 irregular\$5 random\$3)	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S76	3715973	(cluster\$3 periodic\$5 order\$3 regular\$3)	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S77	1164774	S75 and S76	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S78	67	S73 and S74	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S79	48	S78 and S77	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S80	140927	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) near2 (media medium original document paper sheet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:43
S81	105	S80 and S74	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43

## EAST Search History

S82	86	S81 and S75	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S83	82	S82 and S76	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S84	4297835	@ad<"20030630"	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S85	53	S83 and S84	US-PGPUB; USPAT	OR	ON	2007/07/15 16:51
S86	1290	(detect\$4 determin\$6) adj2 ((mark\$3 reproduc\$3 produc\$3 print\$3 mak\$3) adj1 (process method))	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S87	26	S86 and (dispers\$3 and cluster\$3)	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S88	187080	(detect\$4 regconi\$6 analy\$5 observ\$5 examin\$5 identif\$7) near3 (media medium original document paper sheet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:43
S89	296429	S75 same S76	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S90	38	S89 and S78	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S91	19	("5137364"   "5272518"   "5450165"   "5481380"   "5668596"   "5671059"   "5739927"   "5748221"   "5754682"   "5793884"   "5838451"   "5844680"   "5963333"   "6020583"   "6047143"   "6147761"   "6157454"   "6249346").PN. OR ("6750442").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:43
S92	35	S84 and S78	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S93	1	("6031618").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S94	1	("20040264781").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S95	1	("5481380").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S96	2	(US-6031618-\$ or US-6353675-\$).did.	USPAT	OR	ON	2007/07/15 16:43
S97	11	((("20040264768") or ("20040264769") or ("20040264770") or ("20040264771") or ("6525845") or ("6088095") or ("20030168582") or ("6008812") or ("5481380") or ("6069982") or ("6008812") or ("6791711"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S98	1290	(detect\$4 determin\$6) adj2 ((mark\$3 reproduc\$3 produc\$3 print\$3 mak\$3) adj1 (process method))	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S99	1123	(358/448).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43

## EAST Search History

S10 0	596	(358/401).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:43
S10 1	1	S99 and S98	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S10 2	4	S100 and S98	US-PGPUB; USPAT	OR	ON	2007/07/15 16:43
S10 3	92	(358/3.09).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:52
S10 4	90	(358/3.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:55
S10 5	454	(358/534).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/15 16:55
S10 6	0	S78 and S103	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:56
S10 7	0	S78 and S103	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:57
S10 8	0	S78 and S104	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:57
S10 9	0	S78 and S105	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:57
S11 0	45	S73 and S105	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:58
S11 1	6	S73 and S104	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:58
S11 2	14	S73 and S103	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/15 16:57